

# The Maxey Flats Project :

An in-depth exploration of Kentucky's  
Prominent Superfund site.

Approximate viewing time : 10 minutes

# This presentation will detail:

- SECTION 1:

The history of the Maxey Flats Project

- SECTION 2:

What current operations are being performed

- SECTION 3:

What the future holds for the site.

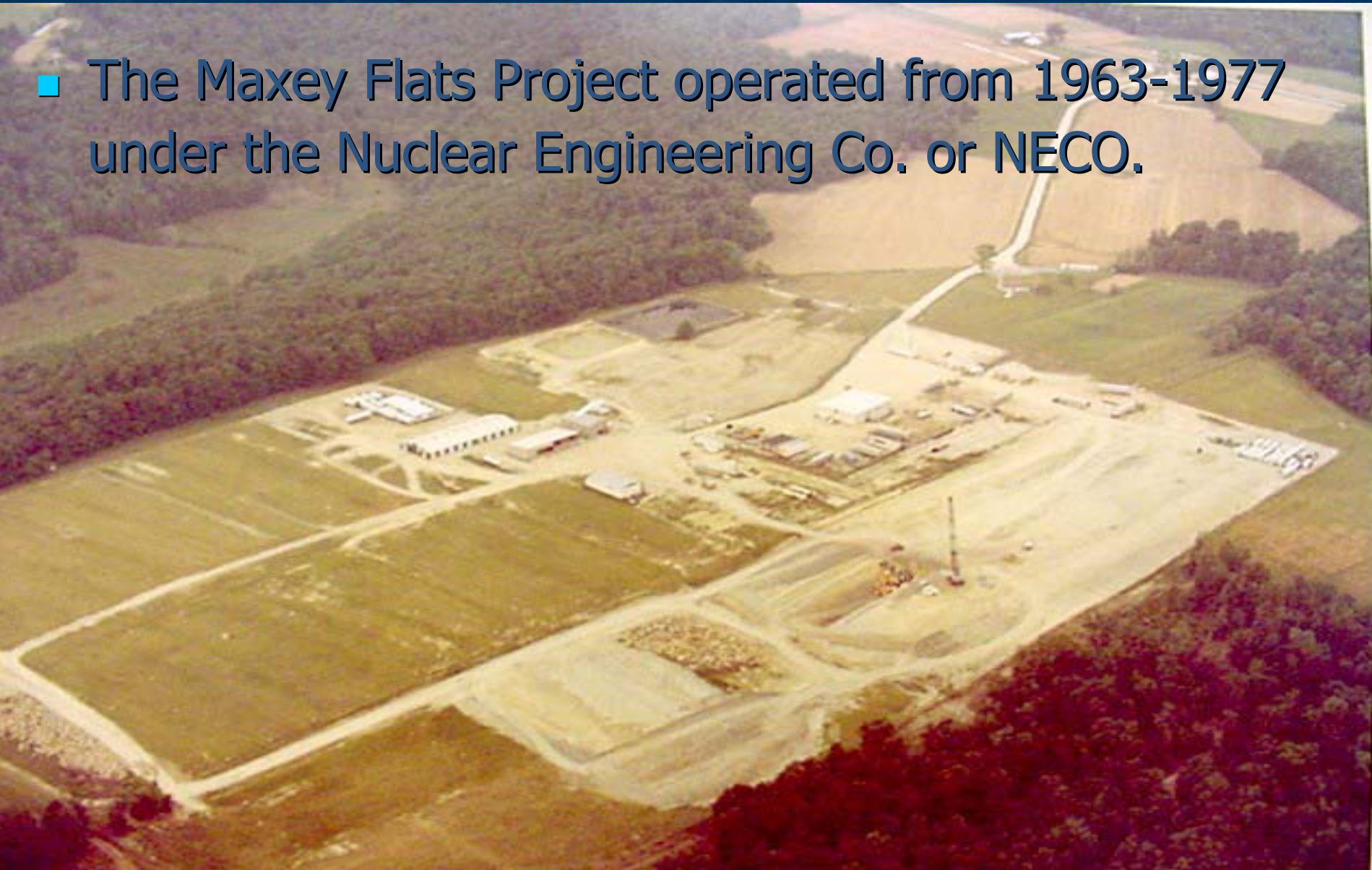
# SECTION 1:

## History



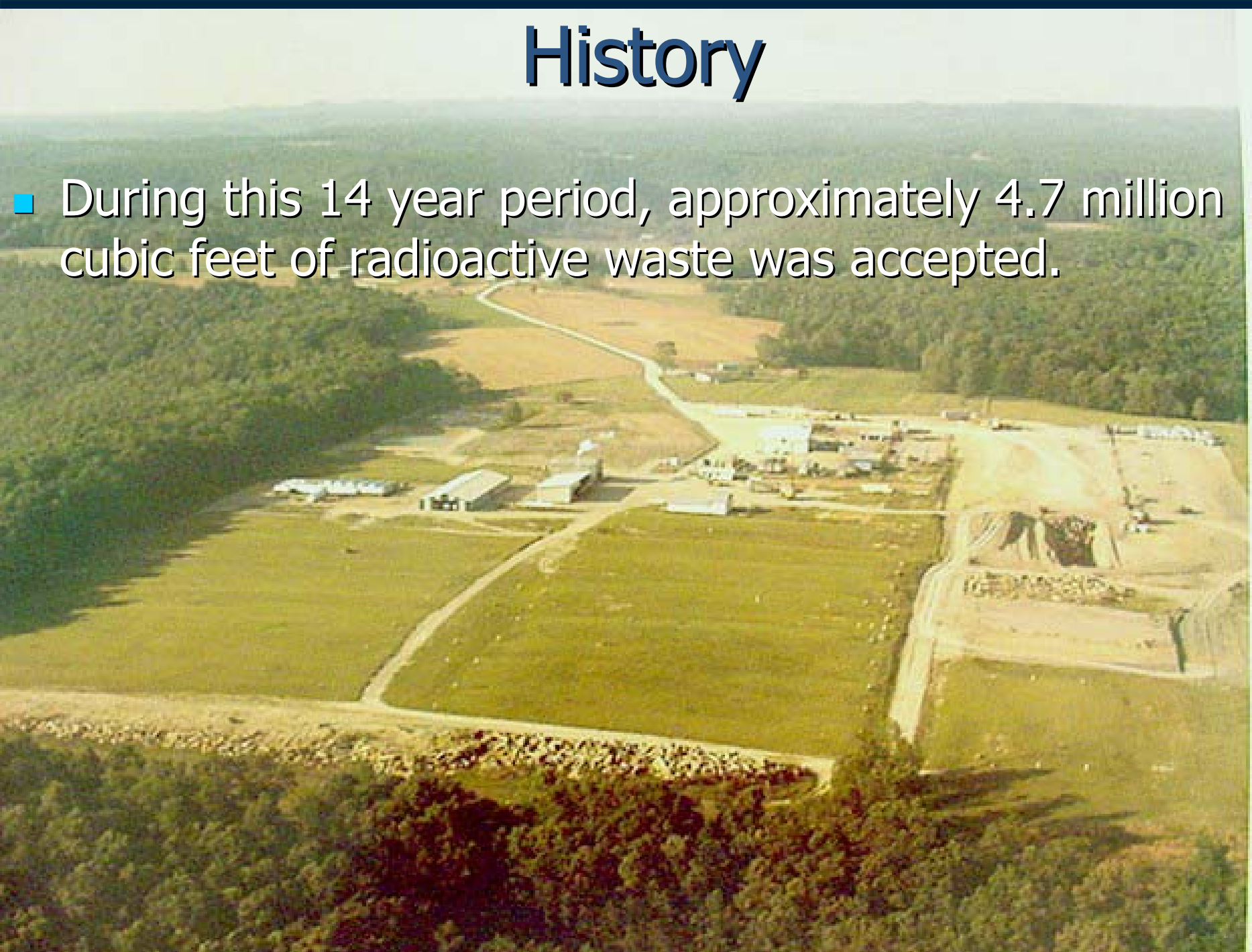
# History

- The Maxey Flats Project operated from 1963-1977 under the Nuclear Engineering Co. or NECO.



# History

- During this 14 year period, approximately 4.7 million cubic feet of radioactive waste was accepted.



# History

- In 1977, waste was no longer accepted.



# History

- Between 1973 and 1986, a large evaporator facility was used to manage contaminated liquids onsite.
- Meanwhile, in 1985, the EPA had developed a list of potentially responsible parties (PRPs) from the disposal records to point financial responsibility toward.

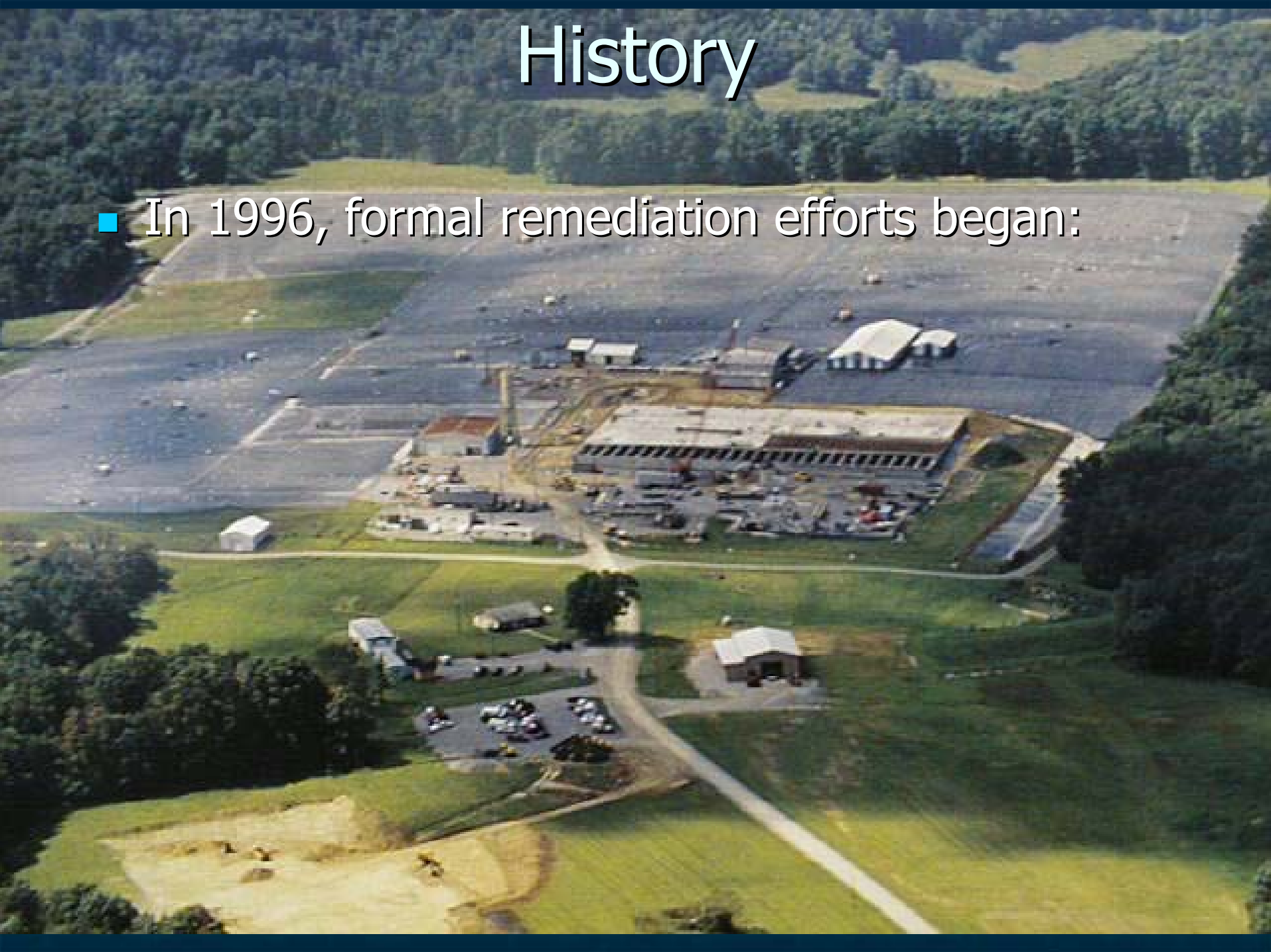
# History

- In 1986, the MFP was placed on the National Priorities List (NPL) for remediation.
- From 1987 to 1991, extensive studies and investigations of the MFP were conducted.
- These were the first steps toward remediation.



# History

- In 1996, formal remediation efforts began:



# History

## ■ Dewatering efforts and the EMC Bunker:



- In 1998, contractors began to pump trenches containing contaminated water.



- The contaminated liquid, called leachate, was mixed with concrete to be solidified.



# History

Final stages of remediation:





# History

- Initial remedial activities were completed in October of 2003. The federal EPA issued a certificate of completion that closed the initial remedial phase.





## SECTION 2:

# Current Operations

# Current Operations

- THE RESTRICTED AREA:





# Current Operations

- Geomembrane Liner inspections:



# Current Operations

- Geomembrane liner repair:



Temporary patches





# Current Operations

- Geomembrane liner repair:



Permanent repair



# Current Operations

- Radiological work:



# Current Operations

- Radiological work:





# Current Operations

- Environmental monitoring:





# Current Operations

- Environmental monitoring:



# Current Operations

- Environmental monitoring:





# Current Operations

- Environmental monitoring:



# Current Operations

- Laboratory work:





# Current Operations

- Laboratory work:



# Current Operations

- Laboratory work:





# Current Operations

- Reporting requirements:

- Federal EPA



- Federal DOE



- State DEP



- State CHS

- Demaximis, Inc.

# Current Operations

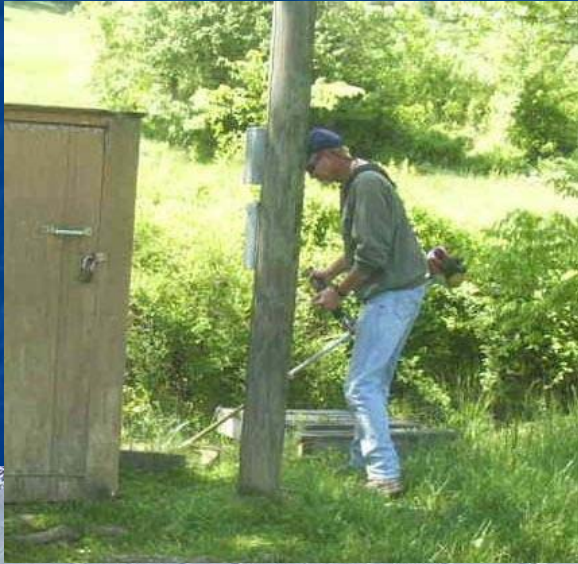
- Grounds / building maintenance:





# Current Operations

- Grounds / building maintenance:



## SECTION 3:

# The future of the MFP



# Future

- The federal EPA will conduct a 5 yr review of the MFP in 2007.
- A second five year review in 2012, if successful, will render the Commonwealth of KY fully responsible for all further activities at the MFP.

# Future

Projections for a Final Cap?



# Future

Environmental monitoring

# Future

- Beneficial re-use:
  - Education
  - Training
  - Wildlife management:





If you have any further questions, please  
feel free to contact the MFP office from  
8am – 4pm Monday-Friday at:

1 (606) 784-6612